

## REMARKS

Applicants respectfully request reconsideration of this application. An RCE accompanies the Amendment.

Claims 7-11, 13-15, 17-23, 25-34, 36-38, 40-55 are pending in the application. Claims 7-9, 13-15, 17-19, 22, 23, 25-30, 36-38, 40-42, 48, 49, 52, 54, and 55 have been rejected. Claims 10, 11, 20, 21, 31-34, 43-47, 50, and 51 have been objected to for depending upon a rejected base claim.

Claims 7, 9, 13, 17, 22, 36, and 40 have been currently amended. Claim 10 has been canceled. The amended claims are supported by the specification.

Applicants reserve all rights with respect to the applicability of the doctrine of equivalents.

Claims 10, 11, 20, 21, 31-34, 43-47, 50, and 51 have been objected to for depending upon a rejected base claim but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Independent claim 9, as amended, includes all of the limitations of previous base claim 9 and objected to claim 10. Therefore, applicants respectfully submit that claim 9, as amended, is allowable.

Claims 7-9, 13-15, 17-19, 22, 23, 25-30, 36-38, 40-42, 48, 49, 52, 54, and 55 have been rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,611,531 of Chen et al. ("Chen").

Independent claims 7, 13, 17, 22, 36, and 40 include limitations similar to claim 9, as amended, including the allowable limitation "wherein the number of DSP resources assigned to each of the DSP groups is recalculated each time one of the channels is activated or deactivated" of previous claim 10.

It is submitted that independent claims 7, 13, 17, 22, 36, and 40 are not anticipated by Chen given that claims 7, 13, 17, 22, 36, and 40 include the allowable limitations of claim 9, as amended.

Given that claims 8, 14, 15, 18, 19, 23, 25-30, 37, 38, 41, 42, 48, 49, 52, 54, and 55 depend from and include the limitations of one of the corresponding independent claims 7, 13, 17, 22, 36, and 40, applicants submit that dependent

claims 8, 14, 15, 18, 19, 23, 25-30, 37, 38, 41, 42, 48, 49, 52, 54, and 55 are also allowable.

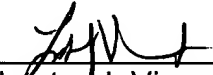
In view of the foregoing amendments and remarks, applicants respectfully submit that all of the rejections have been overcome.

If there are any additional charges, please charge our Deposit Account No. 02-2666. A duplicate copy of the Fee Transmittal form is enclosed for this purpose.

Respectfully submitted,

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